



UNIVERSITI TEKNIKAL MALAYSIA MELAKA

DESIGN WEB BASED FOR MONITORING IN ONLINE

PROBRAND CLOTHING PRODUCT

This report is submitted in accordance with the requirement of the Universiti Teknikal Malaysia Melaka (UTeM) for the Bachelor of Computer Engineering Technology (Computer System) with Honours.

by

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APPROVAL

This report is submitted to the Faculty of Electrical and Electronic Engineering Technology of Universiti Teknikal Malaysia Melaka (UTeM) as a partial fulfilment of the requirements for the degree of Bachelor of Computer Engineering Technology (Computer System) with Honours. The member of the supervisory is as follow:

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ABSTRAK

Pada masa kini, membeli dan menjual dalam talian telah menjadi sebahagian penting dalam kehidupan seharian kerana kos yang lebih rendah dan menjimatkan masa tanpa perlu pergi ke kedai. Oleh itu, projek pemantauan dalam talian syarikat 'Probrand Clothing' adalah laman web yang dibangunkan untuk memudahkan dan meningkatkan prestasi dan perkhidmatan syarikat. Isu-isu yang dihadapi tanpa mengira pelanggan atau pengurus adalah seperti kekangan masa dan kos yang terlibat untuk menuju ke kedai yang dikehendaki; serta pengurusan membeli-belah dalam talian yang lemah juga merupakan sebahagian daripada isu-isu yang mempengaruhi pelanggan. Sistem ini dilaksanakan melalui beberapa proses iaitu merancang, merekabentuk, melaksanakan dan menguji untuk memastikan projek ini dapat dijalankan dengan berkesan. Laman web ini dilaksanakan dengan menggunakan teknologi sumber terbuka seperti 'MySQL client-server model', 'server management XAMPP', bahasa skrip 'PHP' dan 'HTML', 'JavaScript AJAX' dan 'JSON' juga digunakan sebagai format pertukaran data ringan. Hasil kajian dibentangkan dan dibincangkan dengan merujuk kepada objektif kajian; hasil yang diperolehi termasuk antara muka laman web, sistem pengurusan pangkalan data yang digunakan dan ujian penerimaan pengguna yang dijalankan untuk pengguna mengesahkan atau menerima laman web. Berdasarkan penyelidikan terdahulu, maka terbukti dengan menggunakan teknologi sumber terbuka, laman web ini berjaya berfungsi dari segi pengguna dapat melihat, mengemas kini, memadam data untuk mengurus atau menganjurkan mengikut keperluan mereka. Semoga projek ini berguna dan akan memudahkan pengguna menguruskan sistem perniagaan dalam talian mereka dengan berkesan.

ABSTRACT

Nowadays, purchasing and selling online have become important parts of the lives of many people. The reasons are including lower costs and saves time without having to go to stores. Therefore, the online monitoring Probrand Clothing project is a website developed to facilitate and improve the company's performance and service. There are three parts in the website such as monitoring, staff and customer sites involved, but this website focused on monitoring part. Issues faced regardless of the customer or manager such as time constraints and costs involved in getting to go to the desired stores; plus poor management in online shopping is also a part of issues affecting customers. This system is implemented through several process which is planning, design, implementation and testing to make sure completed effectively. This website implemented by using open source technologies such as MySQL client-server model, server management XAMPP, scripting language PHP and HTML, JavaScript AJAX and JSON also used as lightweight data interchange format. The results of the study are presented and discussed with reference to the objectives of the study; results obtained including website interfaces, database management system used and user acceptance testing conducted verifies or accept the website. Based on previous research, it is proven by using open source technology, the website successfully function in terms of user can see, update, delete data to manage or organizes as their request. Hopefully this project will be useful and will make it easier for users to manage their system effectively.

DEDICATION

I dedicate this project to my beloved parents, who have been my source of inspiration and gave me strength to complete this project, who continually provide their moral, spiritual, emotional and financial support. Also, to my brothers, sisters, friends and classmates who shared their words of advice and encouragement to finish this project. Thank you. My love for you all can never be quantified. May Allah bless you all always.

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CHAPTER 1

INTRODUCTION

1.0 Introduction

Online shopping is the way toward inquiring about and obtaining items or services through the Internet. The earlier online stores started a new business around year of 1992, and online retailing assumed control over a huge portion of the retail market in the primary decade of the twenty-first century as personal computers (PCs) expanded and set up retailers started to offer their items over the Internet. Every one of the items in online stores is depicted through content, with photographs and with mixed media documents. They regularly make accessible, wellbeing strategies, directions, produce determination and shows.

1.1 Background

The PRObrand clothing is online business that sell jersey fabric t-shirt that provide custom made and readymade design and colour since the year of 2018. Basically jersey fabric material used is single knit fabric that's elastic and known for draping well. The PRObrand clothing company provides process of purchasing products over the internet. The online monitoring PRObrand clothing project is a web-based developed to facilitate and improve Probrand company's performance in their online business. There are three parts in the website such as monitoring, staff and customer sites involved, but this website focused on monitoring part. There are several

methods used to implement this website by using open source technologies such as MySQL database, XAMPP server management, scripting language PHP and HTML. In webpage, there are several important things that can be viewed and manages by user such as database of products, employees, documents and stocks item.

1.2 Problem Statement

Generally, online shopping is the process of buy parts and goods over the internet. With the challenge developing in the web based business industry, there is many website becomes a commercial centre for venders to sell their items and the issue of fake dealers is also expanding. In addition, quality checks and consistency of availability have turned out to be so uncommon with the greatness of online deals which is taking off high. Those issues faced regardless of the customer or manager such as time constraints and costs involved in getting to go to desired stores. In terms of cost and time that affect the seller and customers including the congestion in travel to the store that waste time and can increase costs transportation. Besides that, poor management in online shopping is a part of issues affecting customers such as confronting difficulties with the following frameworks which don't precisely find the item or consistency of getting seller's product. This will makes seller getting hard to gain customer's loyalty for a long terms.

1.3 Objectives

- i. To identify the important component in existing online clothing websites.
- ii. To design a website for monitoring in online clothing product based on the combination of existing online clothing websites.

1.4 Scope

Buying and selling items and services through the internet without going to the store is the thing that online shopping provided. Online shopping is much the same as retail location shopping that people do by setting off the market, however it is done through the internet. Online shopping has made shopping effortless and included progressively fun. Online stores offer item depiction, pictures, examinations, cost and considerably more. The advantages of web based shopping is that by having direct access to purchaser, the online stores can offer items that take into account the necessities of shopper, treats can be utilized for following the client choice over the web or what is of their advantage when they visit the webpage again. Internet shopping utilizes computerized innovation for dealing with the progression of data, items, and instalment between buyer, website proprietors and providers.

Shopping basket is one of the significant office gave in internet shopping, this lets client to peruse distinctive merchandise and enterprises and once they select a thing to buy they can put the thing in shopping basket, and keep perusing till the last choice. Clients can even expel the things from shopping basket that were chosen before they submit the last request.

1.5 Organization

This project aims is to help Probrand Clothing Company to monitor their online shopping process facilitated and improved to make it easier for citizen to get something they needs by using internet plus brings loyalty to the seller. This website will be used as a platform. This report contains of five chapters. Firstly, a short introduction to the issue, goal and scope are given in a chapter one. After that, chapter two literature review on existing strategies grasped and diverse advances that realized in past endeavour. Then, the examination with respect to advantages and disadvantages will be talked about. Next, the parts and methods depiction that needed to use will be illuminated in section three. Also, a brief of the diagrams of project flows will be provided to guide and keep the process of implementation running effectively. In the chapter four, the results including interfaces, database management system and user acceptance will be provided. Lastly, conclusion and recommendation future work will be underlined in chapter five.

CHAPTER 2

LITERATURE REVIEW

2.0 Introduction

In this section, the aim of this literature review is to analyse, learn from previous projects and research framework. In addition, methods and results in past papers will be combines together to help implementation of this project.

2.1 Related Works

2.1.1 Development of Android Technology

Nowadays in advancing world of technology, Mobile applications are raising growth in the market. Online shopping is the procedure whereby buyers straightforwardly purchase goods or services from dealer continuously, without delegate service, by using internet. It is a type of electronic trade. Android is a portable operating system created by Google. It based on an adjusted version of the Linux kernel and other open source programming, and created principally for touchscreen cell phones, for example, smartphones and tablets. Android contains operating system, middleware, and user interface and application software. (Holla and Katti 2012) state that the android was amazing creation in the complete formation of software applications for the cell phone field it likewise encourages the g-juice in portable device in this way starting a totally different universe of Mobile Technology experience by its clients.

2.1.1.1 Online Shopping System

In the early days people often went to various stores before buying because they did not have much easy access to data on items. It was because of the headway of World Wide Web it has now turned out to be anything but difficult to get to the items accessible worldwide without sitting idle, cash and different assets separated from helping condition. This project was an endeavour to give the benefits of online shopping to clients of a genuine shop. It helps purchasing the items in the shop anyplace through internet by using android gadget. In this way, the client will get the administration of online shopping and home conveyance from his loved shop.

This paper shows the project of design android platform for web bases shopping system of existing shop. (Shibin, Nidheesh and Rishikese 2014) state that online shopping gives people freedom to do shopping anywhere and every time with their smartphone. Online shopping has turned into a well-known shopping strategy as far back as the website has proclaimed a takeover. There are plentiful people that are looking for other impressive choices shopping and online shipping is the impeccable fix for that. There are numerous focal points of online shopping; this is the motivation behind why online stores are a blasting business today. Online shopping includes purchasing garments, contraptions, shoes, machines, daily foodstuffs, or even produces materials. Listed underneath are an online shopping focal points and these are the accompanying. Below shows the example of existing application and web site of online shopping.



Figure 2.1.1.1.1: Website Lazada (www.lazada.com.my)



Figure 2.1.1.1.2 Website Shopee (www.shopee.com.my)

2.1.1.2 Research on the Development of a New Shop Application Using Android

This paper presents a research on the Development of a New Shop Application Using Android. Mobile android produced for Android utilizing SQLite, for the most part intended for sales rep in retails stores to change the manner in which individuals purchase the things. Any client who needs to go for instalment in the wake of choosing the items, they can take assistance from sales rep for charging. The salesman will do the charging with the standardized identification scanner of the application and create the receipt. This will assist clients with avoiding from remaining in a line for long time and

saves a ton of time. The information stockpiling issue is understood due to Android stage which incorporates the well-known open source SQLite implanted database.

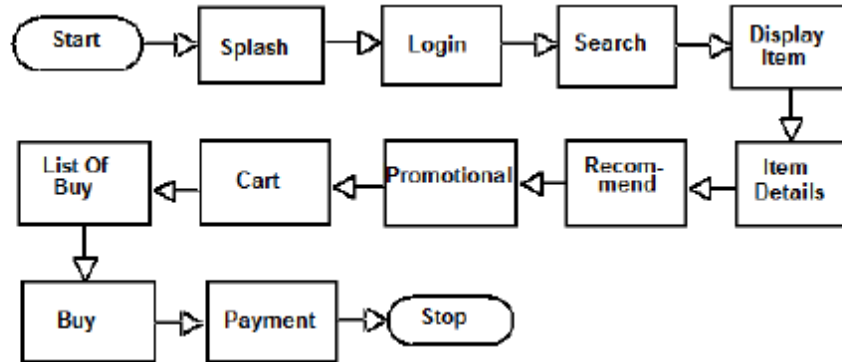


Figure 2.1.1.1.3: Flow chart for Shop Application (Samal and Jena 2014)

The application of mobile shopping was grown fundamentally utilizing Eclipse IDE with Android Development Tool module yet before this; framework must be introduced with Java Development Kit. Android Emulator is utilized to create, troubleshoot, and test the applications in a real Android run-time environment for application development (Anon. 2017).

2.1.1.3 Developing of Android Mobile Application Using Java and Eclipse: An Application

(Senay et al. 2017) guided to researchers who need to begin creating android-based application. Portable application improvement steps was portrayed for the individuals who need to build up a versatile application for their very own business, blog, administration or item, yet have restricted assets for it. The stated steps of installation are Android SDK and Eclipse ADT installation. The programming

development procedure of the created applications is of incredible significance. By far most of thinks about in this field give the consequences of the activity of programming improvement forms. The absence of studies depicting how these applications are created is essential. Be that as it may, it is realized that the improvement of portable application programming is frail and the acknowledged proclamations about the advancement of portable applications are insufficient. It is vital to attract regard for the way that there is still deficiency in the exploration strategies and in the meantime to decide the concerns and challenges that may emerge in the portable application advancement process.